However, as shown in Fig. 8(a), optical waveguides 36-3 and 36-4 that guide leaking light and emissive light of the variable optical attenuating part 21, and optical waveguides 36-5 and 36-6 that guide leaking light and emissive light of the first optical modulating part 22 may be separated from each other.

B2 cont.

REMARKS

Further to the Amendment filed October 8, 2002, in the above-captioned matter, the Applicants have provided this Supplemental Amendment to the specification. No new matter has been added, and approval and entry of this amendment is respectfully requested.

Accordingly, there being no other outstanding objection or rejections, it is respectfully submitted that the application is in consideration for allowance, which action earnestly solicited.

If any further fees are required in connection with the filing of this Supplemental Amendment, please charge same to our Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Date: Nov 25, 2002

By: _____

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION:

Please AMEND the third full paragraph at page 14 line 37 through page 15, line 8 as follows:

As described with reference to Figs. [4] 4a through 4(c), even if leaking light and emissive light are generated in the Y-shaped coupling part R2-2 of the first optical modulating part 22, the leaking light and emissive light are inputted into the optical waveguides 36-1 and 36-2 provided at both sides of the output optical waveguide 32b-2 and are led out to the outside of the substrate 31. Therefore, the leaking light and emissive light from the first optical modulating part 22 will not enter into and interfere with the second optical modulating part 23.

Please AMEND the second full paragraph at page 18, line 3 as follows:

In the embodiment as shown in Figs. [2] 2(a) through 2(c), in the optical waveguide that guides leaking light and emissive light, an optical waveguide that guides leaking light and emissive light of the variable optical attenuating part 21, and an optical waveguide that guides leaking light and emissive light of the first optical modulating part 22 are formed integral with each other to form optical waveguides 36-1 and 36-2 having plane-like upper surfaces. However, as shown in Fig. 8(a), optical waveguides 36-3 and 36-4 that guide leaking light and emissive light of the variable optical attenuating part 21, and optical waveguides 36-5 and 36-6 that guide leaking light and emissive light of the first optical modulating part 22 may be separated from each other.